

SEQUENCE LISTING

<110> Wang, Chang Yi
Fang, Xinde
Chang, Tseng Yuan
Liu, Scott
Lynn, Shugene
Sia, Charles

<120> Peptide-Based Diagnostic Reagents For SARS

<130> 1151-4175

<160> 15

<170> PatentIn version 3.1

<210> 1
<211> 45
<212> PRT
<213> SARS Coronavirus

<400> 1

Lys Tyr Phe Gly Gly Phe Asn Phe Ser Gln Ile Leu Pro Asp Pro Leu
1 5 10 15

Lys Pro Thr Lys Arg Ser Phe Ile Glu Asp Leu Leu Phe Asn Lys Val
20 25 30

Thr Leu Ala Asp Ala Gly Phe Met Lys Gln Tyr Gly Glu
35 40 45

<210> 2
<211> 55
<212> PRT
<213> SARS Coronavirus

<400> 2

Val Lys Gln Met Tyr Lys Thr Pro Thr Leu Lys Tyr Phe Gly Gly Phe
1 5 10 15

Asn Phe Ser Gln Ile Leu Pro Asp Pro Leu Lys Pro Thr Lys Arg Ser
20 25 30

Phe Ile Glu Asp Leu Leu Phe Asn Lys Val Thr Leu Ala Asp Ala Gly

35

40

45

Phe Met Lys Gln Tyr Gly Glu
 50 55

<210> 3
<211> 58
<212> PRT
<213> SARS Coronavirus

<220>
<221> MISC_FEATURE
<223> Synthetic Peptide

<400> 3

Lys Lys Lys Val Lys Gln Met Tyr Lys Thr Pro Thr Leu Lys Tyr Phe
 1 5 10 15

Gly Gly Phe Asn Phe Ser Gln Ile Leu Pro Asp Pro Leu Lys Pro Thr
 20 25 30

Lys Arg Ser Phe Ile Glu Asp Leu Leu Phe Asn Lys Val Thr Leu Ala
 35 40 45

Asp Ala Gly Phe Met Lys Gln Tyr Gly Glu
 50 55

<210> 4
<211> 69
<212> PRT
<213> SARS Coronavirus

<400> 4

Ala Ala Glu Gln Asp Arg Asn Thr Arg Glu Val Phe Ala Gln Val Lys
 1 5 10 15

Gln Met Tyr Lys Thr Pro Thr Leu Lys Tyr Phe Gly Gly Phe Asn Phe
 20 25 30

Ser Gln Ile Leu Pro Asp Pro Leu Lys Pro Thr Lys Arg Ser Phe Ile
 35 40 45

Glu Asp Leu Leu Phe Asn Lys Val Thr Leu Ala Asp Ala Gly Phe Met
50 55 60

Lys Gln Tyr Gly Glu
65

<210> 5
<211> 22
<212> PRT
<213> SARS Coronavirus

<400> 5

Met Ala Asp Asn Gly Thr Ile Thr Val Glu Glu Leu Lys Gln Leu Leu
1 5 10 15

Glu Gln Trp Asn Leu Val
20

<210> 6
<211> 25
<212> PRT
<213> SARS Coronavirus

<220>
<221> MISC_FEATURE
<223> Synthetic Peptide

<400> 6

Lys Lys Lys Met Ala Asp Asn Gly Thr Ile Thr Val Glu Glu Leu Lys
1 5 10 15

Gln Leu Leu Glu Gln Trp Asn Leu Val
20 25

<210> 7
<211> 65
<212> PRT
<213> SARS Coronavirus

<400> 7

Gln Leu Pro Gln Gly Thr Thr Leu Pro Lys Gly Phe Tyr Ala Glu Gly
 1 5 10 15

Ser Arg Gly Gly Ser Gln Ala Ser Ser Arg Ser Ser Arg Ser Arg
 20 25 30

Gly Asn Ser Arg Asn Ser Thr Pro Gly Ser Ser Arg Gly Asn Ser Pro
 35 40 45

Ala Arg Met Ala Ser Gly Gly Glu Thr Ala Leu Ala Leu Leu Leu
 50 55 60

Leu
 65

<210> 8
<211> 80
<212> PRT
<213> SARS Coronavirus

<400> 8

His Ile Gly Thr Arg Asn Pro Asn Asn Ala Ala Thr Val Leu Gln
 1 5 10 15

Leu Pro Gln Gly Thr Thr Leu Pro Lys Gly Phe Tyr Ala Glu Gly Ser
 20 25 30

Arg Gly Gly Ser Gln Ala Ser Ser Arg Ser Ser Arg Ser Arg Gly
 35 40 45

Asn Ser Arg Asn Ser Thr Pro Gly Ser Ser Arg Gly Asn Ser Pro Ala
 50 55 60

Arg Met Ala Ser Gly Gly Glu Thr Ala Leu Ala Leu Leu Leu Leu
 65 70 75 80

<210> 9
<211> 50
<212> PRT
<213> SARS Coronavirus

<400> 9

Ala Gln Phe Ala Pro Ser Ala Ser Ala Phe Phe Gly Met Ser Arg Ile
1 5 10 15

Gly Met Glu Val Thr Pro Ser Gly Thr Trp Leu Thr Tyr His Gly Ala
20 25 30

Ile Lys Leu Asp Asp Lys Asp Pro Gln Phe Lys Asp Asn Val Ile Leu
35 40 45

Leu Asn
50

<210> 10

<211> 65

<212> PRT

<213> SARS Coronavirus

<400> 10

Asp Leu Ile Arg Gln Gly Thr Asp Tyr Lys His Trp Pro Gln Ile Ala
1 5 10 15

Gln Phe Ala Pro Ser Ala Ser Ala Phe Phe Gly Met Ser Arg Ile Gly
20 25 30

Met Glu Val Thr Pro Ser Gly Thr Trp Leu Thr Tyr His Gly Ala Ile
35 40 45

Lys Leu Asp Asp Lys Asp Pro Gln Phe Lys Asp Asn Val Ile Leu Leu
50 55 60

Asn
65

<210> 11

<211> 80

<212> PRT

<213> SARS Coronavirus

<400> 11

Gly Arg Arg Gly Pro Glu Gln Thr Gln Gly Asn Phe Gly Asp Gln Asp
 1 5 10 15

Leu Ile Arg Gln Gly Thr Asp Tyr Lys His Trp Pro Gln Ile Ala Gln
 20 25 30

Phe Ala Pro Ser Ala Ser Ala Phe Phe Gly Met Ser Arg Ile Gly Met
 35 40 45

Glu Val Thr Pro Ser Gly Thr Trp Leu Thr Tyr His Gly Ala Ile Lys
 50 55 60

Leu Asp Asp Lys Asp Pro Gln Phe Lys Asp Asn Val Ile Leu Leu Asn
 65 70 75 80

<210> 12

<211> 52

<212> PRT

<213> SARS Coronavirus

<400> 12

Lys Lys Asp Lys Lys Lys Lys Thr Asp Glu Ala Gln Pro Leu Pro Gln
 1 5 10 15

Arg Gln Lys Lys Gln Pro Thr Val Thr Leu Leu Pro Ala Ala Asp Met
 20 25 30

Asp Asp Phe Ser Arg Gln Leu Gln Asn Ser Met Ser Gly Ala Ser Ala
 35 40 45

Asp Ser Thr Gln
 50

<210> 13

<211> 66

<212> PRT

<213> SARS Coronavirus

<400> 13

Lys His Ile Asp Ala Tyr Lys Thr Phe Pro Pro Thr Glu Pro Lys Lys
 1 5 10 15

Asp Lys Lys Lys Lys Thr Asp Glu Ala Gln Pro Leu Pro Gln Arg Gln
20 25 30

Lys Lys Gln Pro Thr Val Thr Leu Leu Pro Ala Ala Asp Met Asp Asp
35 40 45

Phe Ser Arg Gln Leu Gln Asn Ser Met Ser Gly Ala Ser Ala Asp Ser
50 55 60

Thr Gln
65

<210> 14
<211> 69
<212> PRT
<213> SARS Coronavirus

<220>
<221> MISC_FEATURE
<223> Synthetic Peptide

<400> 14

Lys Lys Lys Lys His Ile Asp Ala Tyr Lys Thr Phe Pro Pro Thr Glu
1 5 10 15

Pro Lys Lys Asp Lys Lys Lys Thr Asp Glu Ala Gln Pro Leu Pro
20 25 30

Gln Arg Gln Lys Lys Gln Pro Thr Val Thr Leu Leu Pro Ala Ala Asp
35 40 45

Met Asp Asp Phe Ser Arg Gln Leu Gln Asn Ser Met Ser Gly Ala Ser
50 55 60

Ala Asp Ser Thr Gln
65

<210> 15
<211> 81

<212> PRT

<213> SARS Coronavirus

<400> 15

Asp Asp Lys Asp Pro Gln Phe Lys Asp Asn Val Ile Leu Leu Asn Lys
1 5 10 15

His Ile Asp Ala Tyr Lys Thr Phe Pro Pro Thr Glu Pro Lys Lys Asp
20 25 30

Lys Lys Lys Lys Thr Asp Glu Ala Gln Pro Leu Pro Gln Arg Gln Lys
35 40 45

Lys Gln Pro Thr Val Thr Leu Leu Pro Ala Ala Asp Met Asp Asp Phe
50 55 60

Ser Arg Gln Leu Gln Asn Ser Met Ser Gly Ala Ser Ala Asp Ser Thr
65 70 75 80

Gln